

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IT2005/000120

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B21/01 E21B21/00 E21B4/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 598 685 B1 (MASHBURN BENNY DONALD) 29 July 2003 (2003-07-29) column 1, line 55 - column 2, line 27; figure 1	1-4
A	US 5 379 852 A (STRANGE, JR. ET AL) 10 January 1995 (1995-01-10) abstract	1-4
A	US 4 495 073 A (BEIMGRABEN ET AL) 22 January 1985 (1985-01-22) abstract	1-4
A	US 3 997 009 A (FOX ET AL) 14 December 1976 (1976-12-14) abstract	1-4

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

1 June 2005

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08/06/2005

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6598685	B1	14-08-2003	US 2003150616 A1 AU 2003205369 A1 WO 03069123 A2	14-08-2003 04-09-2003 21-08-2003
US 5379852	A	10-01-1995	NONE	
US 4495073	A	22-01-1985	NONE	
US 3997009	A	14-12-1976	NONE	